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PTO/SB/21 (08-00)

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**TRANSMITTAL
FORM**

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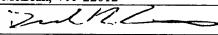
Application Number	09/924,120
Filing Date	August 8, 2001
First Named Inventor	Mitsuru SEKIGUCHI et al.
Group Art Unit	2815
Examiner Name	Matthew C. Landau
Attorney Docket Number	0819-0616

Total Number of Pages in This Submission

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Response to Restriction Requirement, Election of Species and Preliminary Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Other <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> RECEIVED JUL - 1 2002 TECHNOLOGY CENTER 2800 </div>
Remarks	<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 19-2380 for the above identified docket number.	

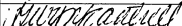
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Donald R. Studebaker, Reg. No. 32,815 Nixon Peabody LLP 8180 Greensboro Drive Suite 800 McLean, VA 22012
Signature	
Date	June 17, 2002

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:

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Type or printed name	Gwyn J. Cantrell
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Date	June 17, 2002

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PTO/SB/17 (11-00)
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FEE TRANSMITTAL FOR FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (S) 110.00

Application Number 09/924,120
 Filing Date August 8, 2001
 First Named Inventor Mitsuru Sekiguchi et al.
 Examiner Name Matthew C. Landau
 Group Art Unit 2815
 Attorney Docket No. 740819-616

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 19-2380

Deposit Account Name Nixon Peabody LLP

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE					
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee	Fee	Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)				(S) 0.00	

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
-20** =	X		
Independent Claims	-3** =	X	
Multiple Dependent			

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee	Fee
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(S) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65 Surcharge - late filing fee or oath	
127	50	227	25 Surcharge - late provisional filing fee or cover sheet	
139	130	139	130 Non-English transaction	
147	2,520	147	2,520 For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920* Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840* Requesting publication of SIR after Examiner action	
115	110	215	55 Extension for reply within first month	
116	400	216	200 Extension for reply within second month	
117	920	217	460 Extension for reply within third month	
118	1,440	218	720 Extension for reply within fourth month	
128	1,960	228	980 Extension for reply within fifth month	
119	320	219	160 Notice of Appeal	
120	320	220	160 Filing a brief in support of an appeal	
121	280	221	140 Request for oral hearing	
138	1,510	138	1,510 Petition to institute a public use proceeding	
140	110	240	55 Petition to revive - unavoidable	
141	1,280	241	640 Petition to revive - unintentional	
142	1,280	242	640 Utility issue fee (or reissue)	
143	460	243	230 Design issue fee	
144	620	244	310 Plant issue fee	
122	130	122	130 Petitions to the Commissioner	
123	50	123	50 Processing fee under 37 CR 1.17(q)	
126	180	126	180 Submission of Information Disclosure Stmt	
581	40	581	40 Recording each patent assignment per property (times number of properties)	
146	740	246	370 Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370 For each additional invention to be examined (37 CFR § 1.29(b))	
179	740	279	370 Request for Continued Examination (RCE)	
169	900	169	900 Request for expedited examination of a design application	
Other fee (specify) _____				
* Reduced by Basic Filing Fee Paid				
SUBTOTAL (3)				(S) 110.00

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Matthew C. Landau
 Matthew C. Landau
 Group Art Unit

SUBMITTED BY

Name (Print/Type) Donald R. Studebaker Registration No. 32,815 Telephone 703-770-9300
 Signature *Donald R. Studebaker* Date June 17, 2002

Complete (if applicable)

NVA229883.1

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Docket No. 740819-616

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

) Group Art Unit: 2815

Mitsuru SEKIGUCHI et al.

) Examiner Matthew Landau

Application Serial No. 09/924,120

) CERTIFICATE OF MAILING

Filed: August 8, 2001

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deposited with the United States Postal Service with
sufficient postage as First Class Mail in an envelope
addressed to: Assistant Commissioner for Patents,
Washington, D.C. 20231, on JUNE 17, 2002

For: SEMICONDUCTOR DEVICE AND

)

METHOD FOR FABRICATING THE

)

SAME

)

)

Lawrence Cantrell
Lawrence J. Cantrell

**RESPONSE TO RESTRICTION, ELECTION OF SPECIES REQUIREMENT &
PRELIMINARY AMENDMENT**

Honorable Commissioner of Patents
Washington, D.C. 20231

Dear Sir:

In response to the Official Action dated April 23, 2002, please consider the following
amendments and remarks in connection with the above-identified application.

IN THE CLAIMS:

Please cancel claims ~~7-20~~ in their entirety without prejudice or disclaimer of the subject
matter disclosed therein.

Please add new claims 21-32 as follows.

*SUB
617*
ai
--21. (New) A method for fabricating a semiconductor device, comprising the steps of:
forming, on a substrate, a barrier metal film of a metal whose conductivity will not be lost
when the metal is oxidized or of a conductive metal oxide; and
forming a conductive film as a wiring, such that conductive film is in contact with the
barrier metal film.

22. (New) The method of Claim 21, wherein the metal is Ru, Ir or an alloy containing
Ru or Ir.

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